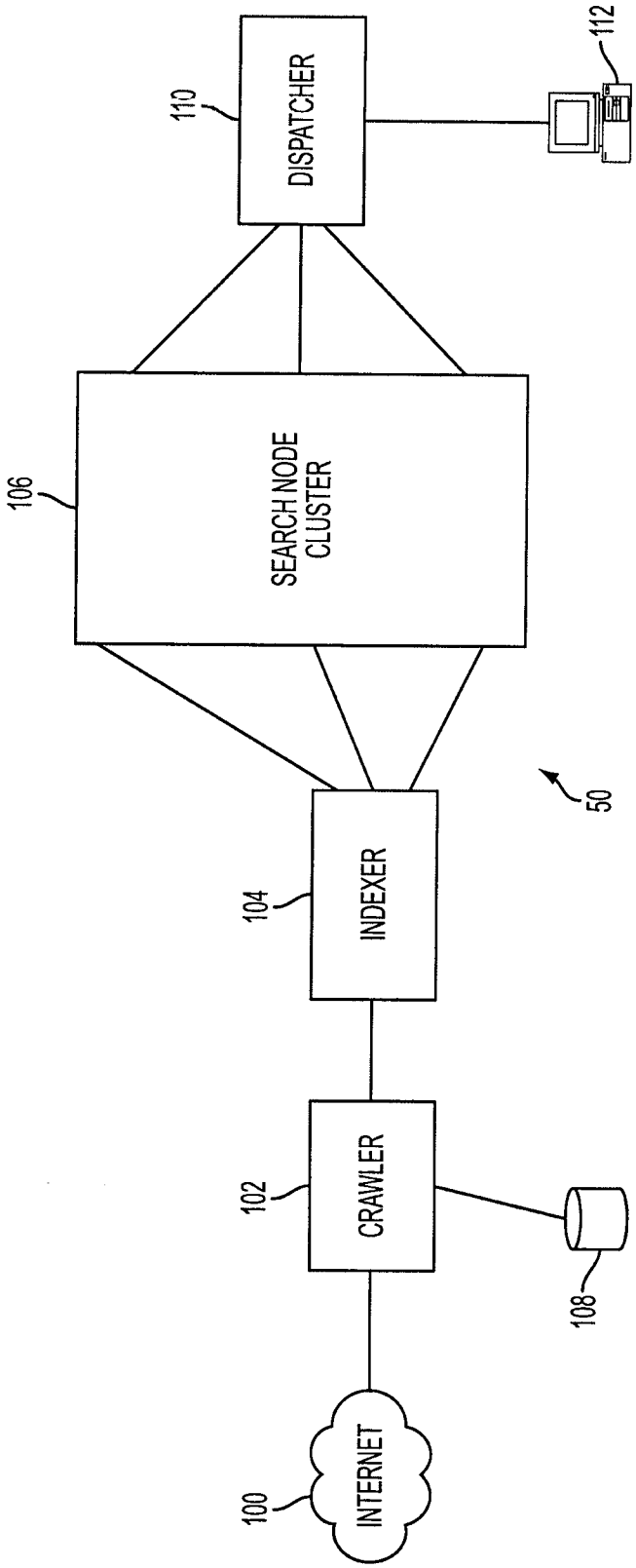

FIG. 1
PRIOR ART

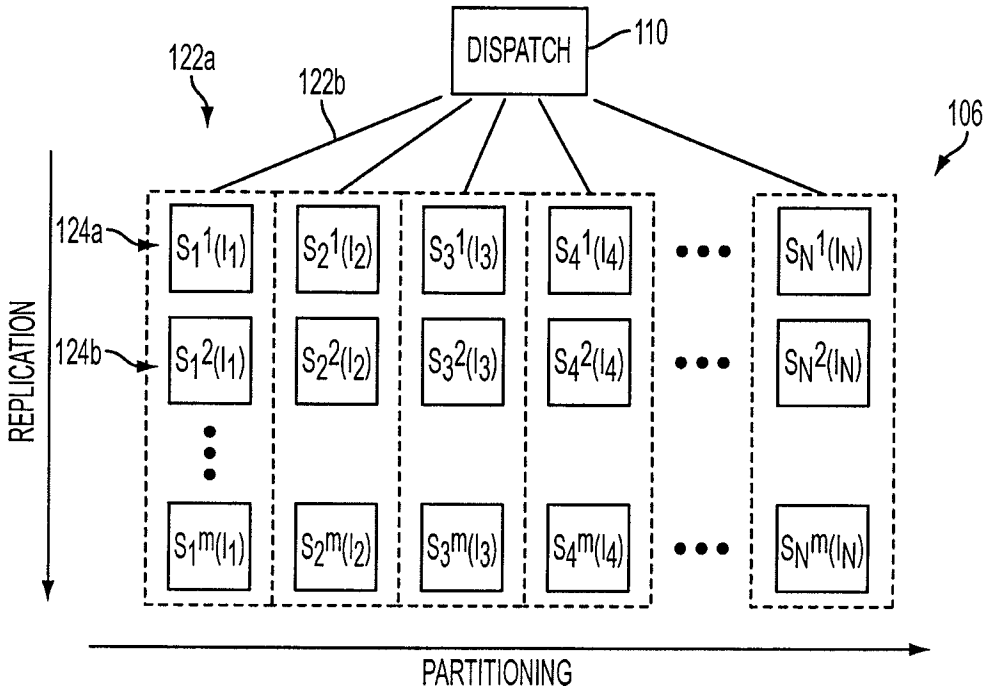

FIG. 2
PRIOR ART

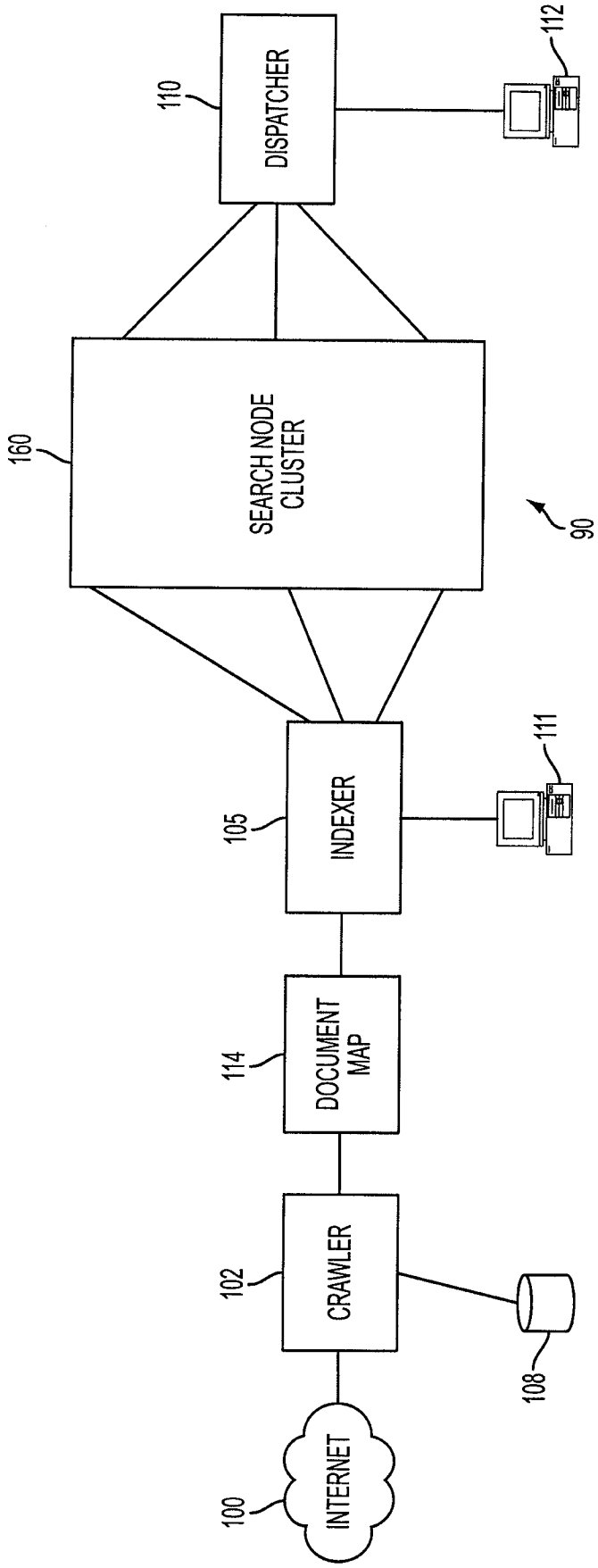
INTERNET
100
CRAWLER
102
108
DOCUMENT MAP
114
INDEXER
105
111
SEARCH NODE CLUSTER
160
90
DISPATCHER
110
112

FIG. 3

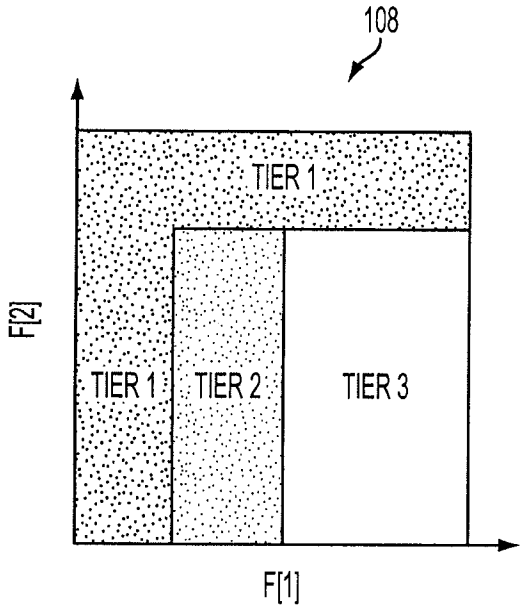

FIG. 4

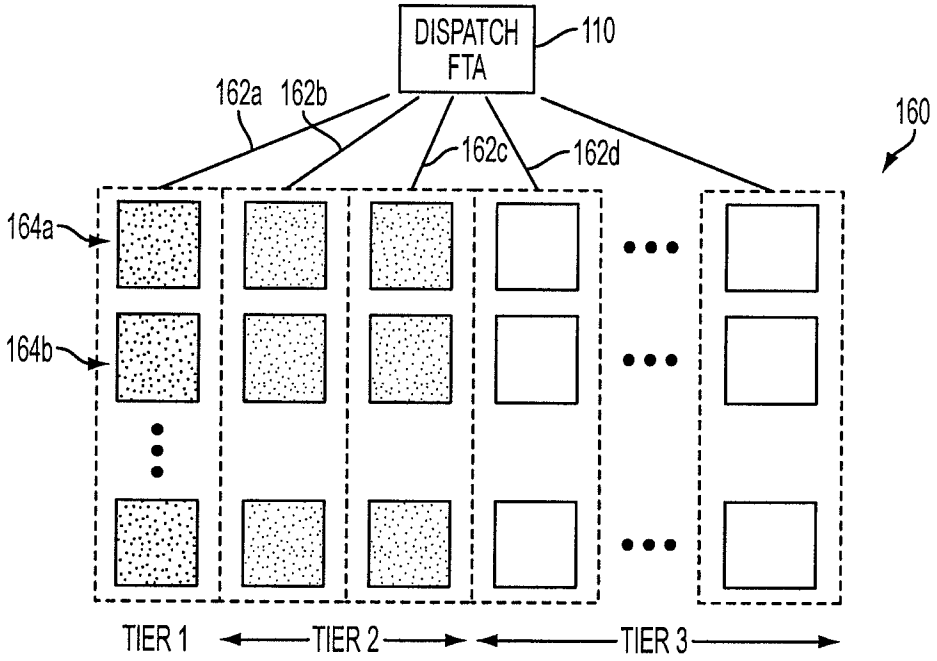
DISPATCH
FTA
110
162a
162b
162c
162d
160
164a
164b
TIER 1
TIER 2
TIER 3

FIG. 5

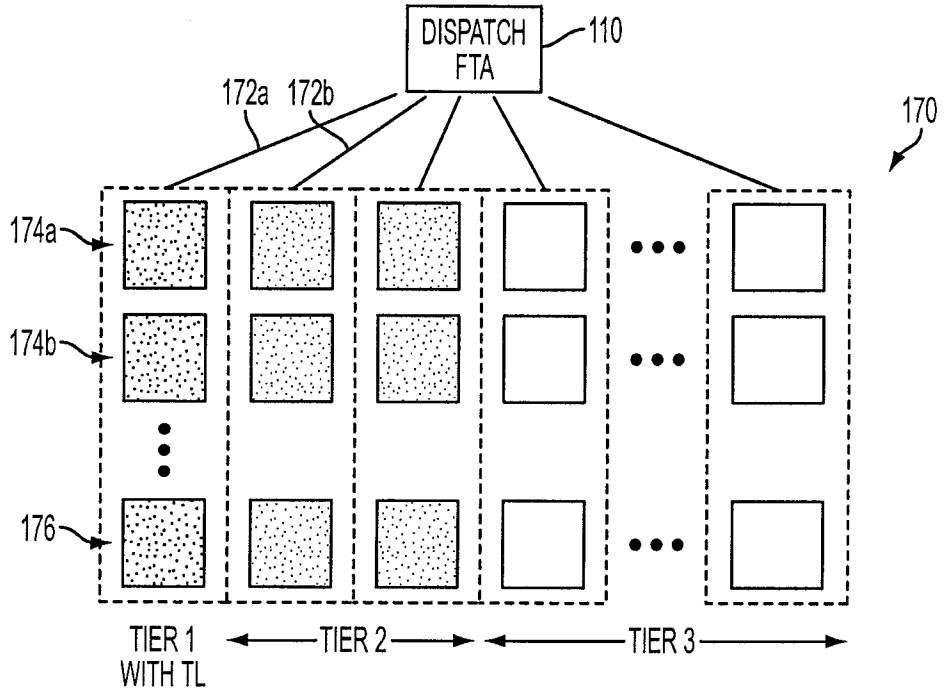
DISPATCH
FTA
110
172a
172b
170
174a
174b
176
TIER 1
WITH TL
TIER 2
TIER 3

FIG. 6

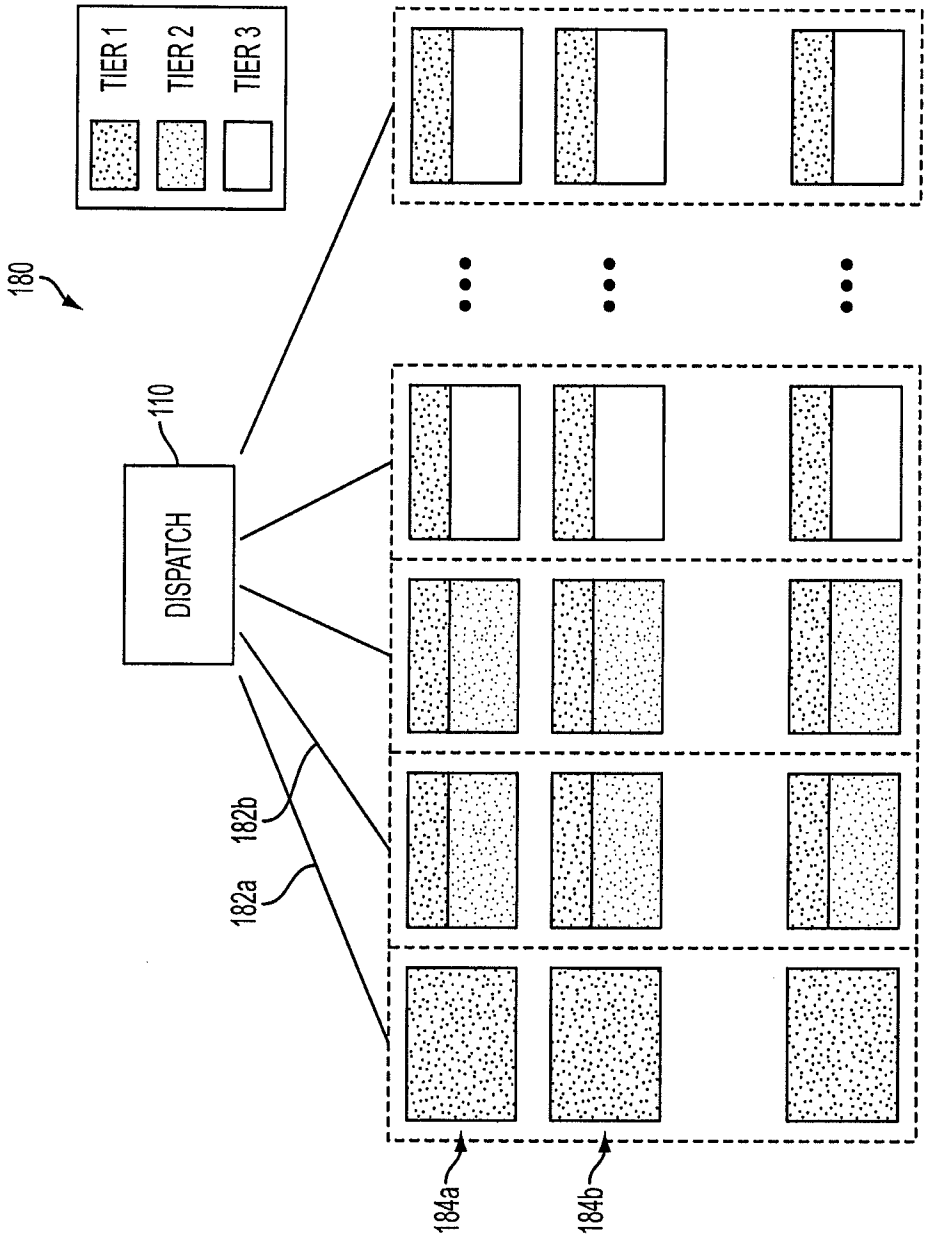

FIG. 7

TIER JUMP	HITLIMIT	PERCENTLIMIT	RANKLIMIT	TERMRANKLIMIT	MINHITS
(0+1)-2	8100	50	200	0	100
2-3	8100	70	200	0	100
3-4	8100	50	0	0	100

FIG. 8

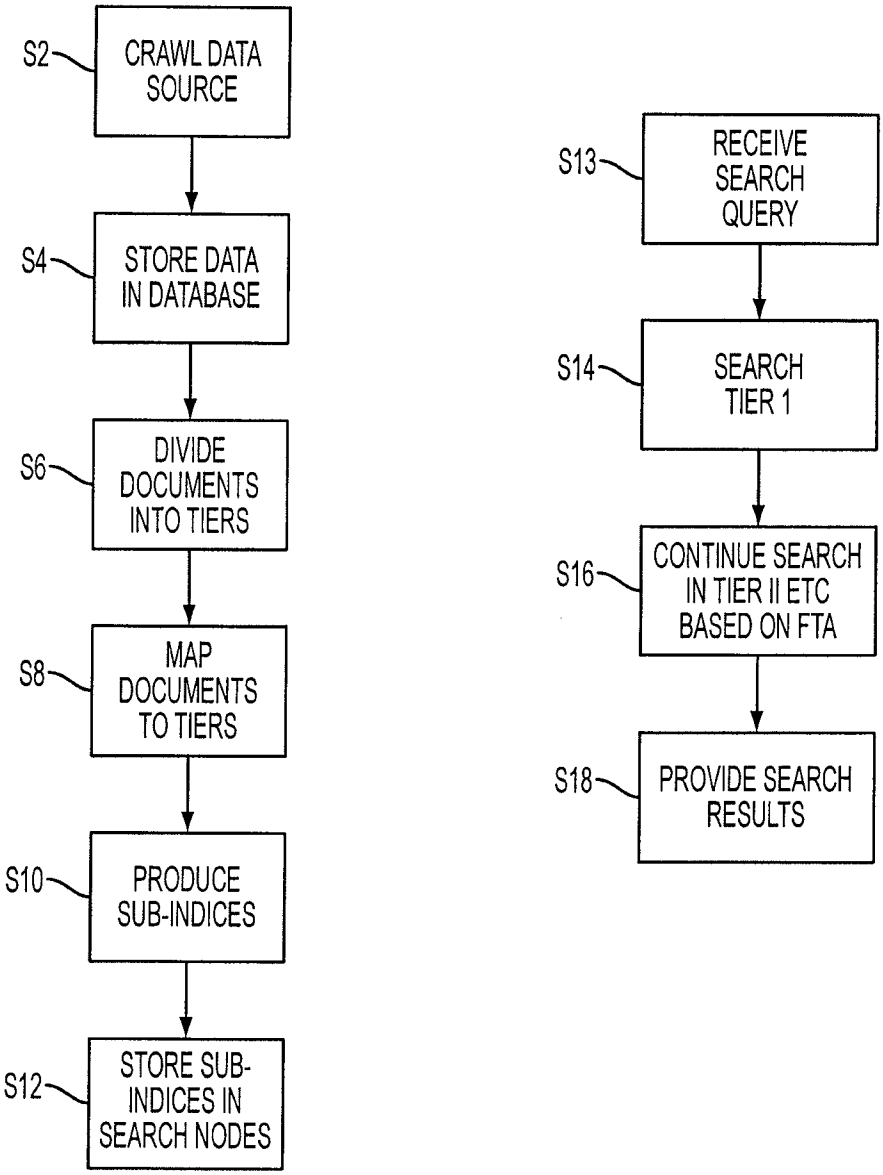
S2
CRAWL DATA SOURCE
S4
STORE DATA IN DATABASE
S6
DIVIDE DOCUMENTS INTO TIERS
S8
MAP DOCUMENTS TO TIERS
S10
PRODUCE SUB-INDICES
S12
STORE SUB-INDICES IN SEARCH NODES
S13
RECEIVE SEARCH QUERY
S14
SEARCH TIER 1
S16
CONTINUE SEARCH IN TIER II ETC BASED ON FTA
S18
PROVIDE SEARCH RESULTS

FIG. 9